

U.S. Environmental Protection Agency
Science Advisory Board
Indoor Air Quality and Total Human Exposure Committee
Open Meeting
July 21-22, 1992

Pursuant to the Federal Advisory Committee Act, P.L. 92-463, notice is hereby given that the Science Advisory Board's (SAB) Indoor Air Quality and Total Human Exposure Committee (IAQTHEC) (hereafter, the Committee) will meet on July 21-22, 1992 in the Main Ballroom of the Holiday Inn, 15th Street and Jefferson Davis Highway, Arlington, VA 22202. The meeting will begin on both days at 9:00 a.m., and end no later than 5:00 p.m. on July 22. The meeting is open to the public and seating is on a first-come basis.

BACKGROUND

The purpose of the meeting is for the Committee to review the U.S. Environmental Protection Agency's (EPA) draft report *Respiratory Health Effects of Passive Smoking: Lung Cancer and Other Disorders* (EPA/600/6-90/006B). This document was prepared by the Agency's Human Health Assessment Group, Office of Research and Development (ORD), at the request of the Agency's Indoor Air Division, Office of Air and Radiation (OAR), under the authority of Title IV of Superfund (The Radon Gas and Indoor Air Quality Research Act of 1986) to provide information and guidance on the potential hazards of indoor air pollutants. This report is a revision of an earlier report titled, *Health Effects of Passive Smoking: Assessment of Lung Cancer in Adults and Respiratory Disorders in Children* (EPA/600/6-90/006A), which the SAB reviewed in public session on December 4-5, 1990. As a result of that review, the SAB suggested several areas in which the health risk assessment could be improved, and offered to provide additional advice on a revised document (See the SAB's report issued as a result of that review: *An SAB Report: Review of Draft Environmental Tobacco Smoke Health Effects Documents*, EPA-SAB-IAQC-91-007, April 1991). The Agency has now completed its revision of the document and has requested that the SAB review the revised draft.

APPENDIX B

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CHARGE TO THE COMMITTEE

As part of the tentative Charge to the Committee, the Agency has requested that the SAB answer the following questions (Chapter numbers refer to the revised draft EPA document, EPA/600/6-90/006B):

I - ETS EXPOSURE (Chapter 3)

- 1) Do the conclusions on the chemical similarities of ETS and mainstream smoke warrant the toxicological comparison between passive and active smoking made as part of the biological plausibility arguments for lung cancer (Chapter 4) and non-cancer respiratory disorders (Chapter 7)?
- 2) Is the extent of ETS exposure in various environments adequately characterized?
- 3) Are the methods of assessing ETS exposure and the uncertainties associated with each accurately described?

II - LUNG CANCER

A. HAZARD IDENTIFICATION (Chapters 4 and 5)

- 4) Is the evidence for the lung carcinogenicity of ETS presented adequately?
- 5) Does any of the new information alter the SAB conclusion regarding the categorization of ETS as an EPA Group A carcinogen?

B. POPULATION IMPACT (Chapter 6)

- 6) Is the approach used to derive estimates of U.S. female never-smoker lung cancer risk scientifically defensible?
- 7) Is the approach used to extrapolate lung cancer risk from female never-smokers to male never-smokers and former smokers of both sexes scientifically defensible?
- 8) Are the assumptions used to derive these lung cancer population estimates and the uncertainties involved characterized adequately?
- 9) Is the degree of confidence in these estimates as stated appropriately characterized?

III - NONCANCER RESPIRATORY DISORDERS

A. HAZARD IDENTIFICATION (Chapter 7; Sections 8.1 and 8.2)

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- 10) Have the biological plausibility arguments been adequately presented?
- 11) Have the most important confounders been properly addressed?
- 12) Has the weight of evidence been properly characterized? Are the conclusions scientifically defensible?
- 13) Is the evidence with respect to maternal smoking and sudden infant death syndrome properly characterized? Should this evidence be included in this report?

B. POPULATION IMPACT (Chapter 8)

- 14) Is the presented population impact of ETS on lower respiratory infections and asthma in children scientifically defensible?
- 15) Are the assumptions, uncertainties, and degree of confidence in the ranges of population impact estimates adequately characterized?

This Charge is subject to change and the Committee may elect to investigate other areas as well.

AVAILABILITY OF DOCUMENTS AND INFORMATION

1) The present EPA draft document (*Respiratory Health Effects of Passive Smoking: Lung Cancer and Other Disorders (EPA/600/6-90/006B)*) will be made available to the interested public and the Committee on or about June 22, 1992. Copies of this draft document are not available from the Science Advisory Board. Single copies may be obtained from the following source(s):

- a) Center for Environmental Research Information (CERI-FRN), U.S. Environmental Protection Agency, 26 W. Martin Luther King Drive, Cincinnati, OH 45268; telephone: (513) 569-7562; FAX: (513) 569-7566. Please provide the document number (EPA/600/6-90/006B), and your name and mailing address. Availability may be limited.
- b) National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161; telephone: (703) 487-4650. Availability date may vary, please check with NTIS. The NTIS ordering number is PB92-182344. (cost \$59.00 paper; \$19.00 microfiche).

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c) The revised draft document will also be available for inspection at the ORD Public Information Shelf, U.S. EPA Headquarters Library, 401 M Street, S.W., Washington, DC 20460; the EPA Regional Libraries; and the Federal Depository Libraries.

2) The earlier EPA draft document (*Health Effects of Passive Smoking: Assessment of Lung Cancer in Adults and Respiratory Disorders in Children (EPA/600/6-90/006A)*) is available only from the following source: National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161; telephone: (703) 487-4650. The NTIS ordering number is PB90-261-652/AS. (cost \$35.00 paper; \$12.50 microfiche). This document was reviewed earlier by the SAB and is not a subject of the present review.

3) The Science Advisory Board report: *Review of Draft Environmental Tobacco Smoke Health Effects Document (EPA-SAB-IAQC-91-007)* April 1991, is available in single copies only from: U.S. EPA, Science Advisory Board (A-101), Office of the Staff Director, ATTN: Ms. Lori Gross, 401 M Street, SW, Washington, DC 20460 (street and mailing address are the same); telephone: (202) 260-4126 and FAX: (202) 260-9232. Please provide the report title, SAB report number and your name and mailing address to obtain a copy.

4) For further information concerning the meeting including a draft agenda, or to reserve speaking time on the agenda (see below), please contact Mr. Robert Flaak, Assistant Staff Director, (mailing address: Science Advisory Board Staff Office (A-101F), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460; street address: Suite 508, 499 South Capitol Street, Washington, DC 20460), telephone: (202) 260-6552 and FAX: (202) 260-7118. COPIES OF THE EPA DRAFT DOCUMENTS AND THE SAB REPORT ARE NOT AVAILABLE FROM THE SAB STAFF OFFICE.

PROCEDURES FOR PROVIDING COMMENTS

The Agency is not soliciting public comment on its draft document. However, as a procedural matter, the Science Advisory Board normally accepts either written or oral comment on issues that are under its review. To be most useful, the comments should be focused on the particular issues before the Committee, as summarized in the Charge to the Committee above. Comments submitted to the SAB will be provided to the Committee for

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consideration during the review process. The SAB does not acknowledge receipt of nor does it provide a response to any public comments received.

1) Oral Comment: Oral comment is taken during a specified period during the public meeting (this will be announced in the agenda). Members of the public who wish to make a brief oral presentation to the Committee must contact Mr. Flaak in writing (via letter or FAX) no later than 4:00 p.m. (eastern time) on July 14, 1992 in order to reserve time on the Agenda. The request must include the name of the person making the presentation, organizational affiliation represented, a summary of the issue to be discussed (cf., the Charge to the Committee above), and identification of any audio-visual requirements. Phone calls are welcome to clarify the process, however, a reservation to speak must still be made in writing. The SAB expects that public statements presented at its meetings will not be repetitive of previously submitted oral or written statements. In general, each individual or group making an oral presentation will be limited to a total time of five minutes. A copy of the text and copies of any visuals used must be provided to Mr. Flaak at the time of the presentation, and will be made part of the public record.

2) Written Comment: Written statements of any length may be provided to the Committee up until the meeting. Copies of these statements received in the SAB Staff office by noon (eastern time) on July 6, 1992 will be mailed to the Committee before the meeting; copies received after that date will be provided to the Committee at the meeting. Members of the public who submit written comments either before or at the meeting are requested to provide at least 50 copies of any such documents to Mr. Flaak to allow for adequate distribution of their position or information. Copies of all comments provided to the SAB as a result of this review will be made part of the public record and will also be provided to the Agency for their information.

June 12, 1992
Date


Dr. Donald Barnes
Staff Director
Science Advisory Board

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